Meteorology and Atmospheric Physics

Vol. 57, 1995

ISSN 0177-7971

Springer-Verlag Wien New York

Meteorology and Atmospheric Physics

formerly
Archives for Meteorology, Geophysics, and Bioclimatology, Series A

Honorary and Founding Editor: F. Steinhauser, Wien
Managing Editor: E. R. Reiter, Boulder, Colo.

Editorial Board:
L. Bengtsson, Hamburg
H. C. Davies, Zürich
M. Hantel, Wien
F. Herbert, Frankfurt a. M.
M. Kaplan, Newport News, Virg.
K.-Y. Kondratyev, St. Petersburg
T. N. Krishnamurti, Tallahassee, Fla.
M. Kuhn, Innsbruck
L. Leslie, Sydney, Australia
K.-N. Liou, Salt Lake City, Utah
F. Mesinger, Camp Springs, MD
H. Pichler, Innsbruck
E. Smith, Tallahassee, Fla.
R. Steinacker, Wien
N. Surgi, Miami, Fla.

Editorial Assistant: G. Mayr, Innsbruck

The exclusive copyright for all languages and countries, including the right for photomechanical and any other reproductions including microform is transferred to the publisher

© 1995 Springer-Verlag/Wien

Vol. 57, 1995

Ackermann, I. J., Hass, H., Memmesheimer, M., Ziegenbein, C., Ebel, A., The Parametrization of the Sulfate-Nitrate-Ammonia Aerosol System in the Long-Range-Transport Model EURAD 101

Almbauer, R., Pucher, K., Sturm, P. J., Air Quality Modeling for the City of Graz 31

Borrego, C., Coutinho, M., Barros, N., Intercomparison of two Meso-Meteorological Models Applied to the Lisbon Region 21

Forkel, R., Seidl, W., Ruggaber, A., Dlugi, R., Fog Chemistry During EUMAC Joint Cases: Analysis of Routine Measurements in Southern Germany and Model Calculations 61

Giovannoni, J.-M., Clappier, A., Russell, A., Ozone Control Strategy Modeling and Evaluation for Athens, Greece: ROG vs. NO_x Effectiveness and the Impact of Using Different Wind Field Preparation Techniques 3

Hantel, M., Introductory Comments — Special Issue on EUMAC-Research 1

Hantel, M., Jakobs, H.-J., Wang, Y., Validation of Parameterized Convective Fluxes with DIAMOD 201

Hass, H., Jakobs, H. J., Memmesheimer, M., Analysis of a Regional Model (EURAD) near Surface Gas Concentration Predictions Using Observations from Networks 173

Hass, H., Ruggaber, A., Comparison of two Algorithms for Calculating Photolysis Frequencies Including the Effects of Clouds 87

Matthijsen, J., Builtjes, P. J. H., Sedlak, D. L., Cloud Model Experiments of the Effect of Iron and Copper on Tropospheric Ozone Under Marine and Continental Conditions 43

Moussiopoulos, N., The EUMAC Zooming Model, a Tool for Local-to-Regional Air Quality Studies . 115

Nester, K., Panitz, H.-J., Fiedler, F., Comparison of the DRAIS and EURAD Model Simulations of Air Pollution in a Mesoscale Area 135

Stockwell, W. R., Effects of Turbulence on Gas-Phase Atmospheric Chemistry: Calculation of the Relationship Between Time Scales for Diffusion and Chemical Reaction 159